

Amendments to the Claims

Please amend claims 1, 17, and 20-26 as marked below. This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A web-handling system comprising:
 - a) a cylinder including a circumferential surface ~~comprising at least one pair of edges,~~
~~each pair of edges defining a cavity in the cylinder;~~
 - b) a first winding device disposed in ~~a~~the cylinder cavity for feeding a web material onto the circumferential surface of the cylinder along a feed path;
 - c) a second winding device also disposed in ~~a~~the cylinder cavity for receiving the web material off the circumferential surface of the cylinder along an exit path; and
 - d) a displacement device for displacing at least one of the paths of the web material.
2. (Original) The system of claim 1 wherein the displacement device displaces at least one of the winding devices.
3. (Original) The system of claim 1 wherein the displacement device comprises a dancer roll in contact with the at least one of the paths.
4. (Original) The system of claim 1 wherein the displacement device comprises an angular displacement arm in contact with the at least one of the paths.
5. (Original) The system of claim 1 wherein the displacement device travels along a linear trajectory.
6. (Original) The system of claim 1 wherein the displacement device travels along a curved trajectory.

7. (Original) The system of claim 1 wherein the web material feeds onto or comes off the surface of the cylinder at a contact point on the cylinder surface, the displacement device displacing at least one of the paths in relation to a plane tangent to the contact point.

8. (Original) The system of claim 7 wherein the displacement device is capable of maintaining the at least one of the paths substantially in the tangent plane.

9. (Original) The system of claim 1 wherein each of the at least one pair of edges is round and differs from the rest of the circumferential surface in radius.

10. (Original) The system of claim 1 further comprising a sensing device that senses a tension in the web, said sensing device generating a signal to actuate the displacement device.

11. (Original) The system of claim 10 wherein the sensing device actuates the displacement device when sensing a loss of tension.

12. (Original) The system of claim 10 wherein the sensing device comprises a sensor associated with the circumferential surface of the cylinder for detecting a force applied by the web against the surface.

13. (Original) The system of claim 12 wherein the sensor is selected from the group consisting of a force-sensitive resistor, a load cell and a piezo-electric sheet based sensor.

14. (Original) The system of claim 10 further comprising a processor for receiving an input from the sensing device, processing the input and sending an output to the displacement device.

15. (Original) The system of claim 14 wherein the system maintains a set value for the tension in the web.

16. (Original) The system of claim 15 wherein said set value comprises a range.

17. (currently amended) The system of claim 1 wherein the cylinder comprises a cavity and both the first and second winding devices are disposed in the same cavity.

18. (Original) The system of claim 1 further comprising multiple first winding devices and multiple second winding devices.

19. (Original) The system of claim 18 wherein the system comprises multiple cavities and wherein the winding devices are disposed in the multiple cavities.

20. (currently amended) A web-winding device for wrapping a web material around a cylinder along a travel path leading from an interior of the cylinder over a surface thereof and back into the interior of the cylinder, the device including a tension adjuster for adjusting a tension in the web material by displacing a portion of the web material in relation to a plane tangent to a contact point on the cylinder, the contact point being where the portion of the web material leads onto or comes off the cylinder surface, and the tension adjuster being configured to contact the web material only between a rotational axis of the cylinder and the tangent plane at the contact point.

21. (currently amended) The device of claim 20 wherein the web-winding device comprises a spool.

22. (currently amended) The device of claim 20 wherein the web-winding device comprises multiple spools configured to reside in interior of the cylinder comprises multiple cavities.

23. (currently amended) The device of claim 20 wherein the device comprises an actuation mechanism that displaces the device travels along a linear trajectory.

24. (currently amended) The device of claim 20 wherein the device comprises an actuation mechanism that displaces the device travels along a curved trajectory.

25. (currently amended) The device of claim 20 wherein the device comprises a sensor for sensing information related to the tension in the web material and an actuation mechanism responsive to the sensor for activating the tension adjuster to displace displaces the portion of the web material in response to a change of the tension in the web material.

26. (currently amended) A method for adjusting tension in a web material feeding onto and coming off a circumferential surface of a cylinder, the method comprising displacing a portion of the web material in relation only between a rotational axis of the cylinder and to a plane tangent to a contact point on the circumferential surface of the cylinder, the contact point being where the portion of the web material feeds onto or comes off the surface of the cylinder.

27. (Original) The method of claim 26 further comprising maintaining the portion of the web material substantially in the tangent plane.

28. (Original) The method of claim 26 wherein the web material is displaced by an angular displacement arm.

29. (Original) The method of claim 26 wherein the web material is displaced by a dancer roll.

30. (Original) The method of claim 26 wherein the circumferential surface of the cylinder comprises at least one pair of edges, each pair of edges defining a cavity in the cylinder, the web material being wound on at least one spool disposed in one of the cavities.

31. (Original) The method of claim 30 wherein the web material is displaced by the at least one spool.

32. (Original) The method of claim 30 wherein the at least one pair of edges are round and differ from the rest of the circumferential surface in radius.

33. (Original) The method of claim 32 comprising displacing the portion of the web material such that the contact point is not on the at least one pair of edges.

34. (Original) The method of claim 26 wherein the web material is displaced along a linear trajectory.